




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date July 13, 2001		EPA Reg No./File Symbol 73032-R		Page 1 of 2	
Applicant's/Registrant's Name & Address Lord's Additives LLC, 17 Hart Lane, Sewell, NJ 08080-9734		Product Lord's ZB-GUARD			
Ingredient Zinc Borate 100% (2ZnO.3B2O3.3.5H2O)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity & Composition		Lord's Additives LLC	OWN	
830.1600	Description of Materials		"	"	
830.1620	Description of Production Process		"	"	
830.1670	Formation of Impurities		"	"	
830.1750	Certified Limits		"	"	
830.1800	Enforcement Analytical Method		"	"	
830.1700	Preliminary Analysis		"	"	
830.6302	Color		"	"	
830.6303	Physical State		"	"	
830.6304	Odor		"	"	
830.7000	pH		"	"	
830.7200	Melt Point/Melt Range		"	OWN & PL	1
830.7300	Bulk Density		"	OWN	
830.7840	Water solubility		"	"	
830.6317	Storage Stability		"	"	
Signature 			Name and Title Stephen G. Bales, General Manager		Date 7/14/01




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			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	"	
			"	OWN & PL	
			"	OWN	
			"	"	
			"	"	
Signature 			Name and Title Stephen G. Bales, General Manager		Date 7/14/01


Attachment to Form 8570-35 (page 1)

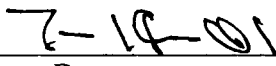
1. Reference is made to 830.7200 (Melt Point). Lord's Additives LLC is submitting a melting point of $> 500^{\circ}\text{C}$. This value is determined from the procedure involved in performing the Preliminary Analysis (830.1700) described in Volume III.

To determine the amount of bound water, 5 samples were heated to 500°C for 4 hours. The resulting weight loss in all cases corresponded to the waters of hydration (13.9 to 14.2%). There was no other weight loss recorded.

Lord's Additives therefore submits that the melting point of Lord's ZB-GUARD is $> 500^{\circ}\text{C}$.

As additional information, this value corresponds well to the value given in the 1991 EPA Fact Sheet for Zinc Borate of $> 550^{\circ}\text{C}$ and the value listed in the American Wood Preservers Association Zinc Borate Standard which is:
"Phase Change at 650°C ".


Stephen G. Bales
General Manager


Date

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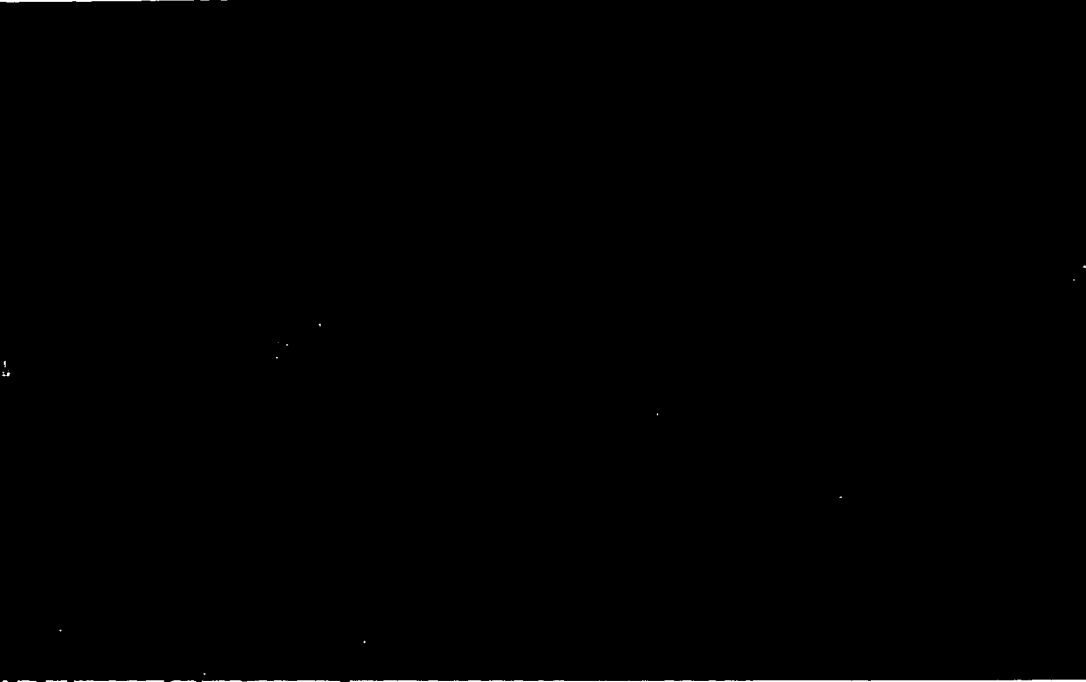



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Lord's Additives LLC	OWN	
				PAY	
Signature 			Name and Title Stephen G. Bales, General Manager		Date 7-14-01



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Lord's Additives LLC, 17 Hart Lane, Sewell, NJ 08080-9734

Product
Lord's ZB-GUARD

Ingredient	Zinc Borate 100% ($2\text{ZnO} \cdot 3\text{B}_2\text{O}_3 \cdot 3.5\text{H}_2\text{O}$)
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